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AP0002134.117

AN - 1992:526472 CAPLUS
 DN - 117:126472
 TI - Preparation of a thiadiazine derivative as insecticide and acaricide.
 IN - Nakaya, Michihiko; Odaka, Kenji; Ebihara, Koichi; Shiraishi, Shiro; Yamada, Hidekazu; Numata, Satoshi
 PA - Mitsui Toatsu Kagaku K. K., Japan
 SO - Jpn. Kokai Tokkyo Koho, 11 pp.
 CODEN: JKXXAF
 DT - Patent
 LA - Japanese
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PN	-	JP4077478	A	19920311	JP 1990-189380	19900719
AB	-	Insecticides and acaricides contain 2-(2,2,2-trifluoroethylimino)-3-[4-(2-chloro-3,3,3-trifluoro-1-propenyl)benzyl]-5-phenyltetrahydro-1,3,5-thiadiazin-4-one (I) or its salts, prep. by treatment of PhN(COCl)CH ₂ Cl (II) with p-CF ₃ CH ₂ NHCSNHCH ₂ CClCF ₃ (III). II (9.29 g) and 15.6 g III (prepn. given) were refluxed with MePh for 2 h to give 9.82 g I. I, at 50 ppm, controlled Spodoptera litura with 100% mortality, vs. 0%, for diazinon. Formulation examples are given.				

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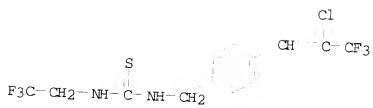
PN	-	JP4077478	A	19920311	JP 1990-189380	19900719
IT	-	143413-41-6P				

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation) (prepn. and cyclization of, with (chloromethyl)phenylcarbamoyl chloride)

RN - 143413-41-6 CAPLUS

CN - Thiourea, N-[4-(2-chloro-3,3,3-trifluoro-1-propenyl)phenyl]methyl]-N'-(2,2,2-trifluoroethyl)- (9CI) (CA INDEX NAME)

[--00000066]



Marker: 00000066

SOURCE: (C) WPI / DERWENT

AN : 1992-136749 [17]

MC : C07-F03 C12-B04 C12-N02

PN : JP4077478 A 19920311 DW199217 011pp

PR : JP19900189380 19900719

PA : (MITK) MITSUI TOATSU CHEM INC

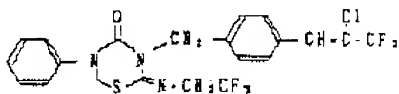
DC : C02

IC : A01N43/88 ;C07D285/34

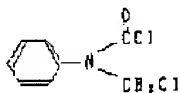
TI : New thiadiazine-type cpd. used as miticide or insecticide - comprises
2-(2,2,2-tri:fluoroethyl:imino)-3-
4-(2-chloro-3,3,3-tri:fluoro-1-propenyl)benzyl
-5-phenyl-tetra:hydro-1,3,5-thiadiazinone

AB : J04077478 (A) 2-(2,2,2-trifluoroethylimino)
-3-(4-(2-chloro-3,3,3-trifluoro-1-propenyl)benzyl)-5-phenyl-tetrahydro
-1,3,5-thiadiazine-4-one of formula (I) or its salts are new. These
cpds. are prepd. by reacting a cpd. of formula (II) with a cpd. of
formula (III). USE/ADVANTAGE - The cpds. have excellent effect of
controlling harmful organisms. Used as insecticidal and miticidal
agents.

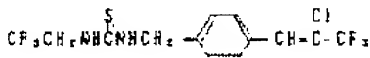
- In an example, of prepn. (B) N-chloromethyl-N-phenylcarbamoyl
chloride of formula (II) and (C) 1-(4-(2-chloro-3,3,3-
trifluoro-1-propenyl)benzyl)-3-(2,2,2-trifluoroethyl)thiourea of
formula (III) are reacted, pref. in the presence of solvents. The
reaction is conducted at e.g. 40-150 deg C for 0.5 - 24 hrs..
- (Dwg.0/0)



I



II



III